LIST OF CONTENTS

Volume 4, Number 1 1987

CONTENTS

Indu B. Singh	1	Editorial: The Role of the World Bank in Third World Telecom Development
Joey Reagan	3	Classifying Adoptors and Nonadopters of Four Technologies Using Political Activity, Media Use and Demographic Variables
Nirmal Sethia	17	The Challenge of the Japanese Telecommunications Market
Ernest H. Forman **Thomas J. Nagy**	37	EXSYS Vs. TOPSI/OPS5 Vs. Micro-PS: A Multicriteria Model to Select an Expert System Generator
Craig Deman	55	Micro Earth Stations: Technology and Applications
Carrie Heeter **Tony Atwater** **Cynthia Stanley** **Thomas Baldwin**	63	Videotex: Creating and Examining Experienced Users
Werner A. Meier **Heinz Bonfadelli**	75	Comparative Analysis of Videotex Pilot Project Studies in Three European Countries
		Legislative and Policy Focus
Robert G. Rogers	85	U.S. Policy Makers Readying for ISDN's Advent

Technical Reports
95 NTIS Section

I *Software Survey Section*

Volume 4, Number 2 1987

CONTENTS

SPECIAL ISSUE

TELECOMMUNICATIONS FOR THE DEVELOPING WORLD: INNOVATIVE STRATEGIES

Heather E. Hudson 97 Guest Editor's Note

Heather E. Hudson 99 Barriers and Incentives to Telecommunications Investment in Developing Countries

Edwin B. Parker 109 Micro Earth Station Satellite Networks and Economic Development

Stephen Paré de Got 113 Innovative Financing Techniques for Telecommunications

Robert Hoen 117 Financing Development and Telecommunications in Africa

Douglas Goldschmidt 121 Leveling the Playing Field in International Satellite Communications

Marcellus S. Snow 133 Natural Monopoly in INTELSAT: Cost Estimation and Policy Implications for the Separate Systems Issue

Bella Mody 151 Contextual Analysis of the Adoption of a Communications Technology: The Case of Satellites in India

Technical Reports
159 NTIS Section

I *Software Survey Section*

IV *PatSearch Section*

Volume 4, Number 3 1987

CONTENTS

SPECIAL ISSUE

INTERNATIONAL INFORMATICS ACCESS '87

N. Rao Machiraju	163	Guest Editor's Note
Jeff Fobes	165	An Overview of Informatics and Development
John C. Oeffinger	195	Merging Computers and Communication: A Case Study in Latin America
Jorge Litvak	211	Computer Networking in the Health Sector
Russell Havard **N. Rao Machiraju**	215	Microcomputer-Based Informatics: Some Training Considerations
Christian E. Stalberg	221	Digital Telematics: Present and Future
		Literature Review
Jarice Hanson	233	1986 Books on Informatics
		Technical Reports
	235	NTIS Section
	I	***Software Survey Section***
	V	***PatSearch Section***

Volume 4, Number 4 1987

CONTENTS

SPECIAL ISSUE

SPACE APPLICATIONS OF EXPERT SYSTEMS

William O. Macoughtry	239	Guest Editor's Note
James G. Schuetzle	241	The Mission Operations Planning Assistant

David R. McLean
Ronald G. Littlefield
David S. Beyer
253 An Expert System for Scheduling Requests for Communications Links Between TDRSS and ERBS

Frank C. Paterra
Marc S. Allen
George F. Lawrence
263 AUTOPLAN—A PC-Based Automated Mission Planning Tool

William C. Dias
Julia A. Henricks
Jennifer C. Wong
275 PLAN-IT: Scheduling Assistant for Solar System Exploration

M. Kate Lines-Browning
John L. Stone, Jr.
289 An Expert System that Performs a Satellite Stationkeeping Maneuver

Glenn Miller
Don Rosenthal
William Cohen
Mark Johnston
301 Expert Systems Tools for Hubble Space Telescope Observation Scheduling

Angelita C. Kelly
Lisa Basile
Troy Ames
Janice Watson
William Dallam
313 Spacelab Data Processing Facility (SLDPF) Quality Assurance Expert Systems Development

Legislative and Policy Focus

Janet S. Zeide
331 The Fairness Doctrine: Fair or Foul?

Literature Review

Jarice Hanson
333 Adaptations of Media and Communication Technologies

Technical Reports

337 NTIS Section

339 ***List of Contents and Author Index Volume 4, 1987***

I ***Software Survey Section***

V ***PatSearch Section***